Table Sort Order	Field Sort Order	Table Name	Field Name	Field Description	Data Type	Primary Key?	Foreign Key	Required?	Format
1	1	Location	Location	User-defined identifier for a station or location where a sample is collected or monitoring results are measured. Must be unique.	Text (30)	Yes		Yes	Free Text
1	2	Location	LocationDescription	Description of the location where where a sample is collected or monitoring results are measured.	Text (100)				Free Text
1	3	Location	Latitude	Latitude in DECIMAL DEGREES that is associated with a Location.	Numeric			Yes	Decimal Degrees
1	4	Location	Longitude	Longitude in DECIMAL DEGREES that is associated with a Location.	Numeric			Yes	Decimal Degrees
1	5	Location	Altitude	Altitude in FT ABOVE SEA LEVEL that is associated with a Location.	Numeric				####.##
1	6	Location	Datum	Horizontal control network that was used to obtain the latitude and longitude coordinates. MUST ALWAYS BE NAD83.	Text (10)			Yes	Valid Values
1	7	Location	LocationComment	General comments related to this Location.	Text (250)				Free Text
1	8	Location	LocationZone	The Agency or Organization collecting samples or other data that are associated with this Location.					Valid Values
2	1	Instruments	InstrumentID	User-defined identifier for a piece of equipment that is used to collect a sample or monitoring data. Must be unique.	Text (50)	Yes		Yes	Free Text
2	2	Instruments	Instrument_Type	Type of instrument used to collect a sample or monitoring data.	Text (50)			Yes	Valid Values
2	3	Instruments	Instrument_Manufacturer	Manufacturer of instrument used to collect a sample or monitoring data.	Text (50)			Yes	Free Text
2	4	Instruments	Instrument_Model	Model of instrument used to collect a sample or monitoring data.	Text (50)			Yes	Free Text
2	5	Instruments	Instrument_SN	Serial Number of of instrument used to collect a sample or monitoring data.	Text (50)				Free Text
2	6	Instruments	Instrument_Cal_Date	Date the instrument was last calibrated.	DateTime			Yes	MM/DD/YYYY
2	7	Instruments	Instrument_Cal_Isotope	Isotope used to last calibrate the instrument.	Text (50)			Yes	Free Text
2	8	Instruments	Instrument_Efficiency	Efficiency of the instrument of instrument used to collect a sample or monitoring data.	Text (50)			Yes	Free Text
2	9	Instruments	Instrument_Remark	Remarks associated with the instrument of instrument used to collect a sample or monitoring data.	Memo				Free Text
3	1	Samples	Location	User-defined identifier for a station or location where a sample is collected or monitoring results are measured. Must exist in the Location table.	Text (30)		Yes	Yes	Free Text
3	2	Samples	InstrumentID	User-defined identifier for a piece of equipment that is used to collect a sample or monitoring data. Must exist in instruments table.	Text (50)		Yes	Yes	Free Text
3	3	Samples	Samp_No	User defined identifier for a sample that is collected. Must be unique.	Text (25)	Yes		Yes	Free Text
3	4	Samples	SampleType	The type of sample that is collected.	Text (30)			Yes	Valid Values
3	5	Samples	SampleDate	Date when a sample is collected.	DateTime			Yes	MM/DD/YYYY
3	6	Samples	SampleTime	Time when a sample is collected.	DateTime				hh:mm
3	7	Samples	Matrix	Medium that is sampled.	Text (40)			Yes	Valid Values
3	8	Samples	LinkSampleNo	Samp_No that this sample should be associated with (for example, a Field Split or a Duplicate Sample).	Text (25)				Free Text
3	9	Samples	Sampler	Name of the individual or group that collected the sample.	Text (30)				Free Text
3	10	Samples	Remarks	Description of any issues related to the sample or monitoring result that would affect the data interpatation.	Memo				Free Text
3	11	Samples	SampleMedia	Material used to collect an air sample. Type of filter such as manufacturer	Text (30)			Yes	Valid Values
3	12	Samples	Volume	Volume of sample that was collected.	Numeric			Yes	####.####

3	13	Samples	Volume_Units	Units associated with the volume of sample that was collected.	Text (20)		Yes	Valid Values
3	14	Samples	SamplerID	Identifier for a pump of other pice of equipment used to collect an air sample.	Text (50)			Free Text
3	15	Samples	Start_Date	Date that the collection of an air sample began.	DateTime		Yes	MM/DD/YYYY
3	16	Samples	Start_Time	Time that the collection of an air sample began.	DateTime		Yes	hh:mm
3	17	Samples	Stop_Date	Date that the collection of an air sample finished.	DateTime		Yes	MM/DD/YYYY
3	18	Samples	Stop_Time	Time that the collection of an air sample finished	DateTime		Yes	hh:mm
3	19	Samples	Start_Count	Beginning counter reading when the collection of an air sample began.	Numeric			####.###
3	20	Samples	Stop_Count	Final counter reading when the collection of an air sample finished.	Numeric			####.###
3	21	Samples	Total_Time	Total time that was involved to collect a sample.	Numeric		Yes	####.###
3	22	Samples	Start_Pressure	Pressure that was measured when the collection of an air sample began.	Numeric			####.###
3	23	Samples	Stop_Pressure	Pressure that was measured when the collection of an air sample finished.	Numeric			####.###
3	24	Samples	Pump_Fault	Indication whether or not a pump failed during the collection of a sample.	Text (1)			Valid Values
3	25	Samples	Avg_Flow	Average flow rate while the air sample was being collected.	Numeric		Yes	####.###
3	26	Samples	Flow_Units	Units associated with the average flow rate.	Text (20)		Yes	Valid Values
4	1	LabResults	Samp_No	User defined identifier for a sample that is collected. Must exist in Samples table.	Text (25)	Yes	Yes	Free Text
4	2	LabResults	Matrix_ID	Matrix, as reported by the Lab, that was analyzed.	Text (20)		Yes	Free Text
4	3	LabResults	Date_Analyzed	Date that the analysis was performed by the Lab.	DateTime		Yes	MM/DD/YYYY
4	4	LabResults	Lab_Name	Name of the laboratory that performed the analysis.	Text (50)		Yes	Free Text
4	5	LabResults	Lab_Batch_No	Batch Number for a set of analyses as reported by the lab.	Text (30)			Free Text
4	6	LabResults	Lab_Samp_No	Internal sample identifier used by the lab.	Text (25)		Yes	Free Text
4	7	LabResults	Analysis	General analysis (i.e gamma spectrometry) that was performed by the lab.	Text (100)		No	Valid Values
4	8	LabResults	Analytical_Method	Analytical Method that was performed by the lab.	Text (100)		Yes	Valid Values
4	9	LabResults	Cas_no	Chemical Abstract Number (CAS) for the analyte that was measured.	Text (50)		Yes	Valid Values
4	10	LabResults	Analyte	Analyte or name of the paramater (i.e. Cs-137.) that was measured.	Text (60)		Yes	Valid Values
4	11	LabResults	Result	Result that was measured by the lab for an analyte.	Numeric		Yes	####.####
4	12	LabResults	Result_Units	Unit of measurement associated with a Result.	Text (20)		Yes	Valid Values
4	13	LabResults	Lab_Result_Qualifier	Result qualifier as reported by the Lab.	Text (10)			Free Text
4	14	LabResults	Result_Qualifier	Final result qualifier/flag for a lab result. This qualifier is usually the result of a data validation.	Text (10)			Valid Values
4	15	LabResults	MDL	Minimum Detected Activity for an analysis (usually used for Method Detection Limit (MDL)).	Numeric		Yes	####.####
4	16	LabResults	MDL_Units	Unit of measurement associated with the MDA (usually used for MDL).	Text (20)		Yes	Valid Values
4	17	LabResults	Reporting_Limit	Reporting Limits for a lab result as determined by the lab.	Numeric		Yes	####.####
4	18	LabResults	Reporting_Limit_Units	Unit of measurement associated with the Reporting Limit.	Text (20)		Yes	Valid Values

Scribe Field Name	Valid Value
Analysis	GammaSpec
Analysis	Radiation
Analysis	SVOC
Analysis	TOTAL ACTIVITY
Analyte	Americium-241
Analyte	Cesium-137
Analyte	Gross Alpha
Analyte	Gross Beta
Analyte	Plutonium-239/240
Analyte	Strontium-90
Analytical_Method	IO-2
Analytical_Method	IO-3
Analytical_Method	NIOSH7400
Analytical_Method	TO-13A
Analytical_Method	TO-15
Cas_no	10045-97-3
Cas_no	10098-97-2
Cas_no	14596-10-2
Cas_no	GrossA
Cas_no	GrossB
Cas_no	Pu239-240
Datum	NAD83
Flow_Units	L/min
Instrument_Type	Air Sampler
Instrument_Type	H810
Instrument_Type	pDR
LocationZone	DOE
LocationZone	EPA
LocationZone	NMED
LocationZone	USFS
Matrix	Air
Matrix	Blank
MDL_Units	FPV
MDL_Units	pCi/g

MDL_Units	pCi/kg
MDL_Units	pCi/L
MDL_Units	pCi/m3
MDL_Units	PPBV
MDL_Units	PPMV
Pump Fault	No
Pump Fault	Yes
Reporting_Limit_Units	FPV
Reporting_Limit_Units	pCi/g
Reporting_Limit_Units	pCi/kg
Reporting_Limit_Units	pCi/L
Reporting_Limit_Units	pCi/m3
Reporting_Limit_Units	PPBV
Reporting_Limit_Units	PPMV
Result_Qualifier	<MDA
Result_Qualifier	J
Result_Qualifier	U
Result_Qualifier	UJ
Result_Units	FPV
Result_Units	pCi/g
Result_Units	pCi/kg
Result_Units	pCi/L
Result_Units	pCi/m3
Result_Units	PPBV
Result_Units	PPMV
SampleMedia	Glass Fiber Filter
SampleMedia	PQ200 2.5
SampleMedia	PUF/GLASS
SampleMedia	Summa Canister
SampleMedia	Tedlar Bag
SampleType	Ambient Blank
SampleType	Blank Spike Duplicate
SampleType	Equipment Blank
SampleType	Equipment Rinsate
SampleType	Field Blank
SampleType	Field Duplicate
SampleType	Field Sample

SampleType	Filter Blank
SampleType	Laboratory Duplicate
SampleType	Laboratory Replicate
SampleType	Lot Blank
SampleType	Matrix Spike
SampleType	Matrix Spike Duplicate
SampleType	Method Blank
SampleType	Preservative Blank
SampleType	Trip Blank
Volume_Units	g
Volume_Units	m3
Volume_Units	mL